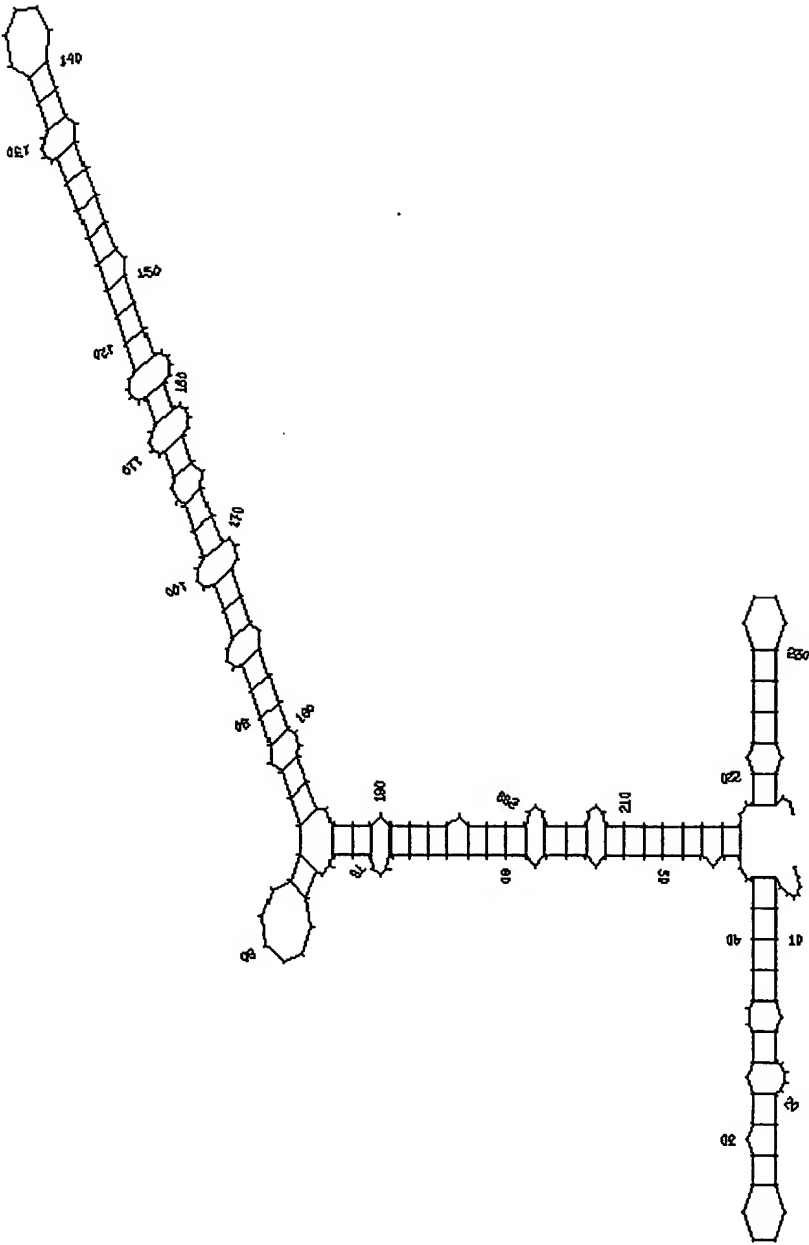




**FIG. 1A**      Lab 5'UTR

```
1  atcagtcacg acttggttaag cgcgcaggca gcacgtcgtc gtcgtcatcg
51 ccaacgggag tcgtgttttt cggttcgata cagataaaac ccacgtcgat
101 agccctcgac cgtcgcgtaa tattcttaga aagcaaacag ctaaagaact
151 atttcaagaa ctgtgtggca agtgaagggt agttagtgat acaccgggta
201 ttcggagtg gcgagaaagt gtggttccgg ctggacaat
```

**FIG. 1B**                      Secondary Structure ( Y-shape )



**FIG. 2A**

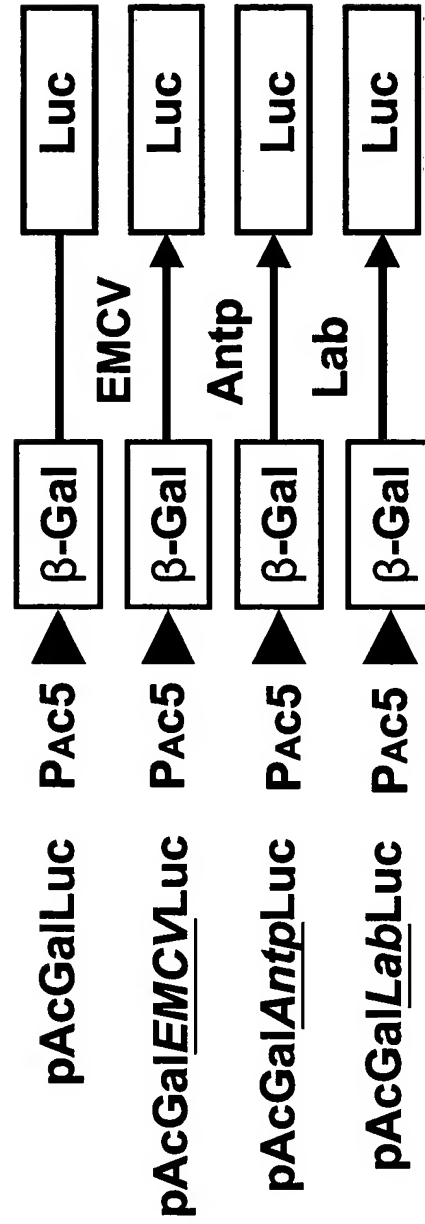


FIG. 2B

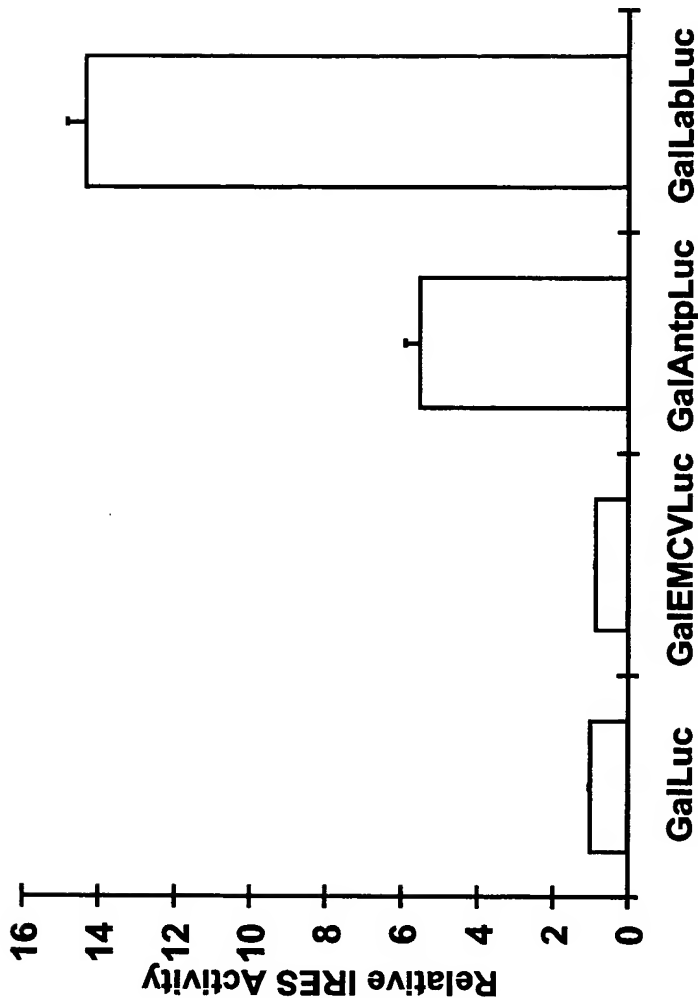
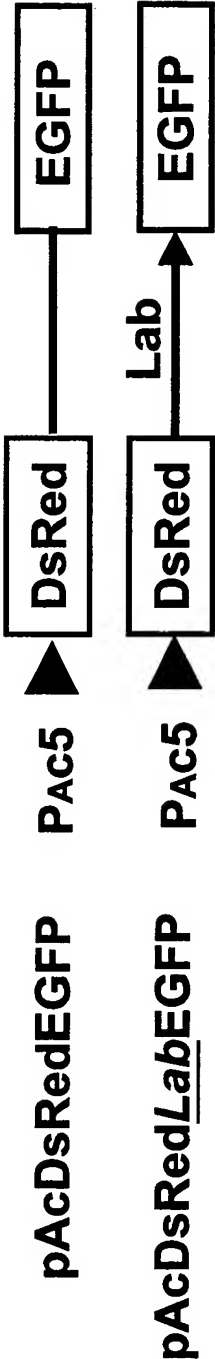
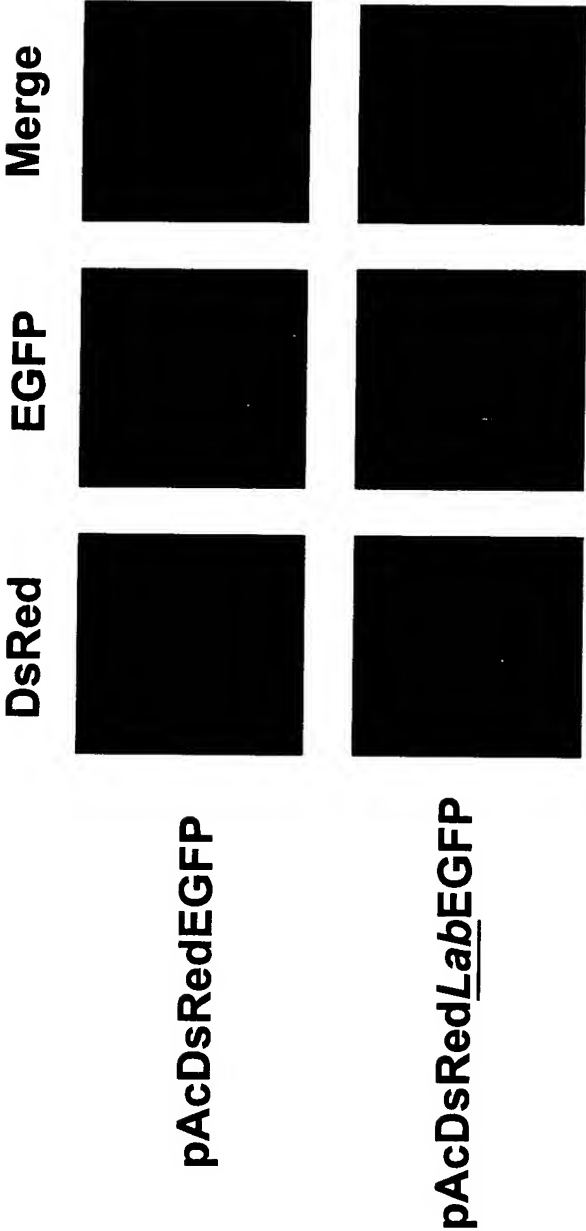


FIG. 2C



**FIG. 2D**

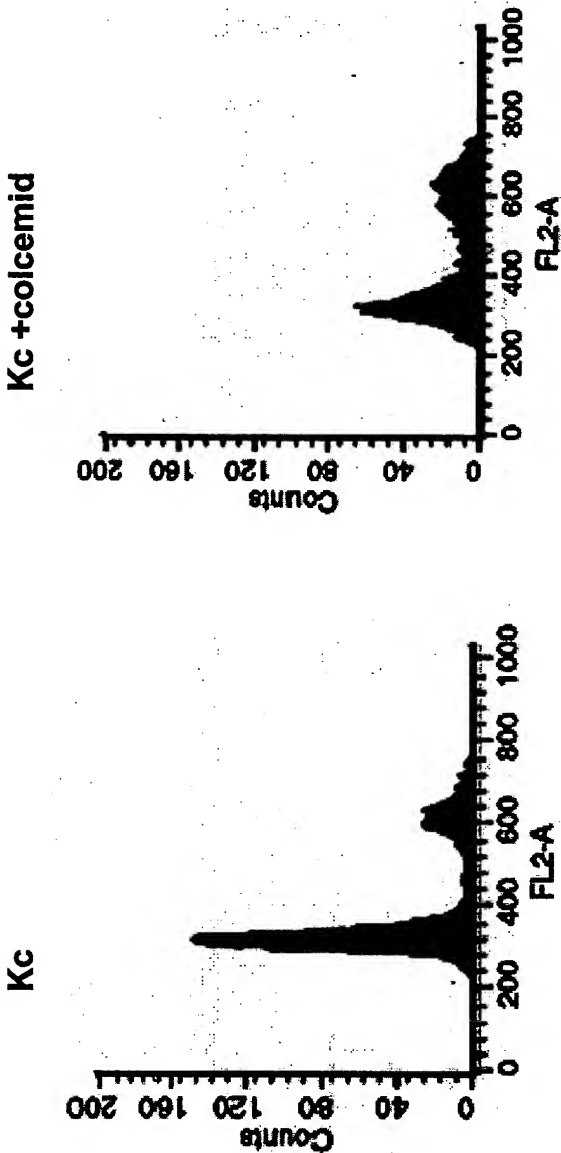


**FIG. 2E**

pAcGalLuc      pAcGalEMCVLuc      pAcGalAntpLuc      pAcGalLabLuc



FIG. 2F



**FIG. 2G**

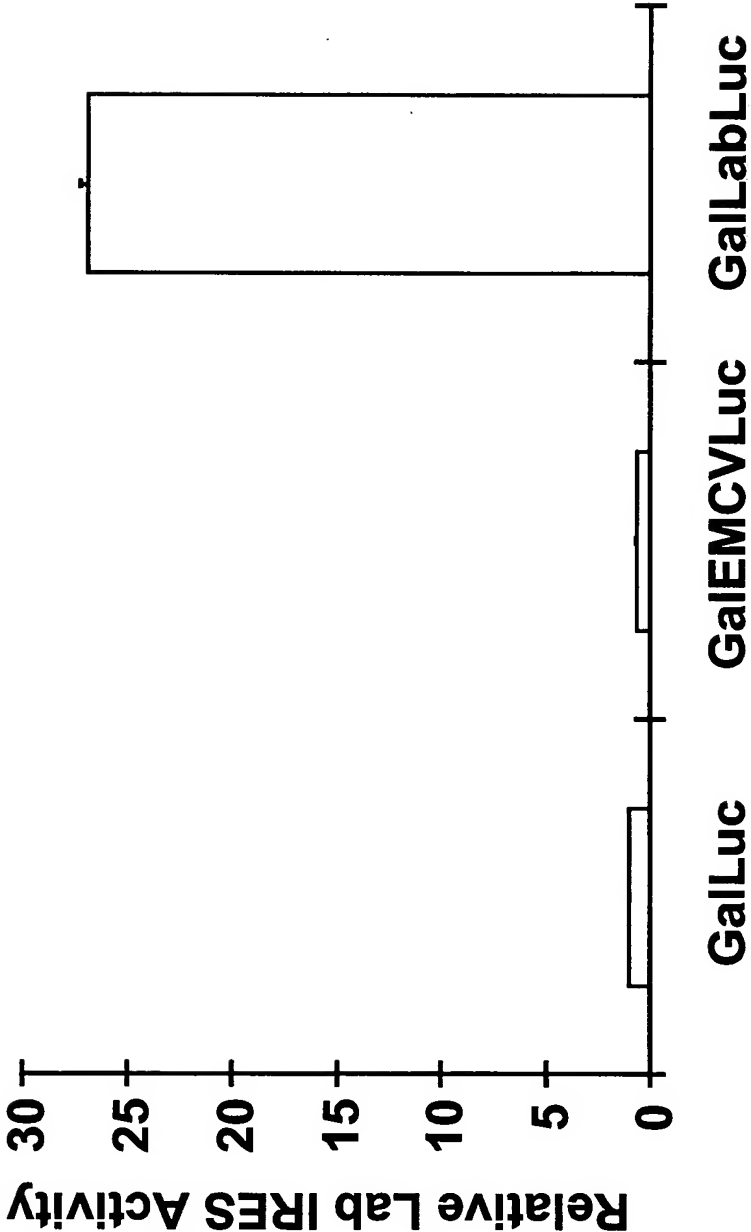
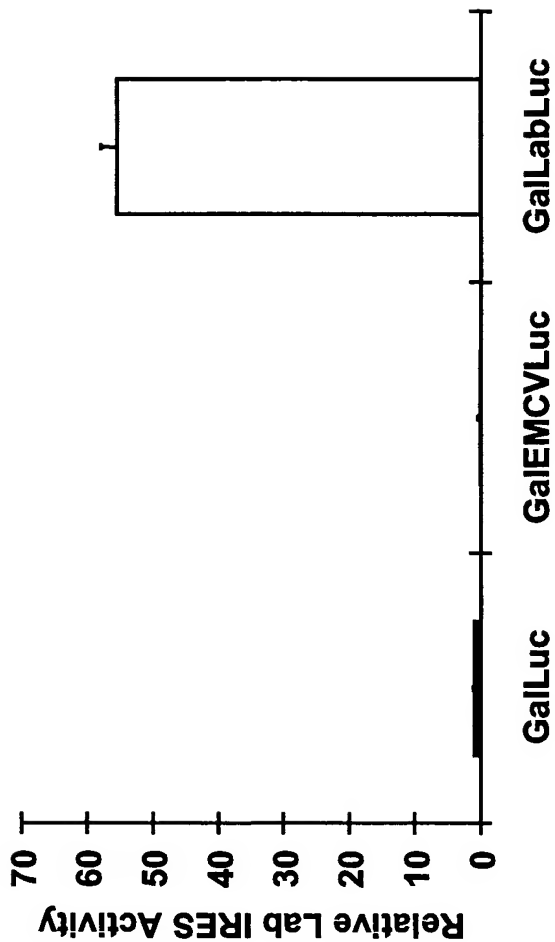
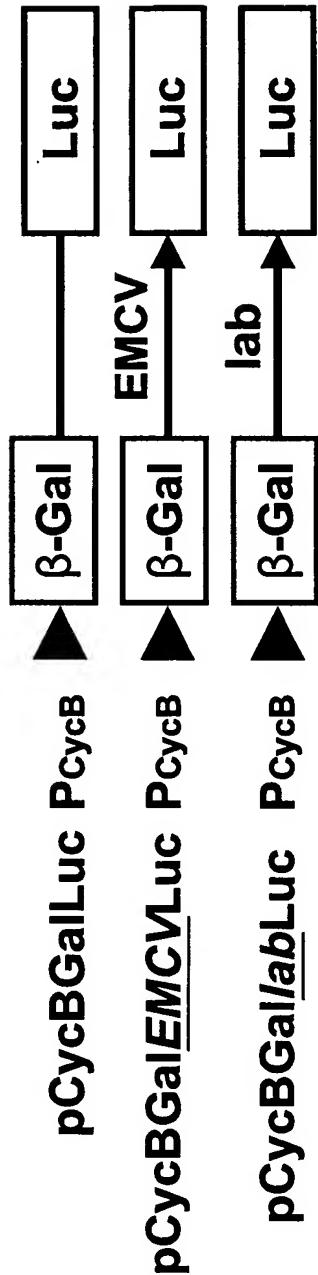
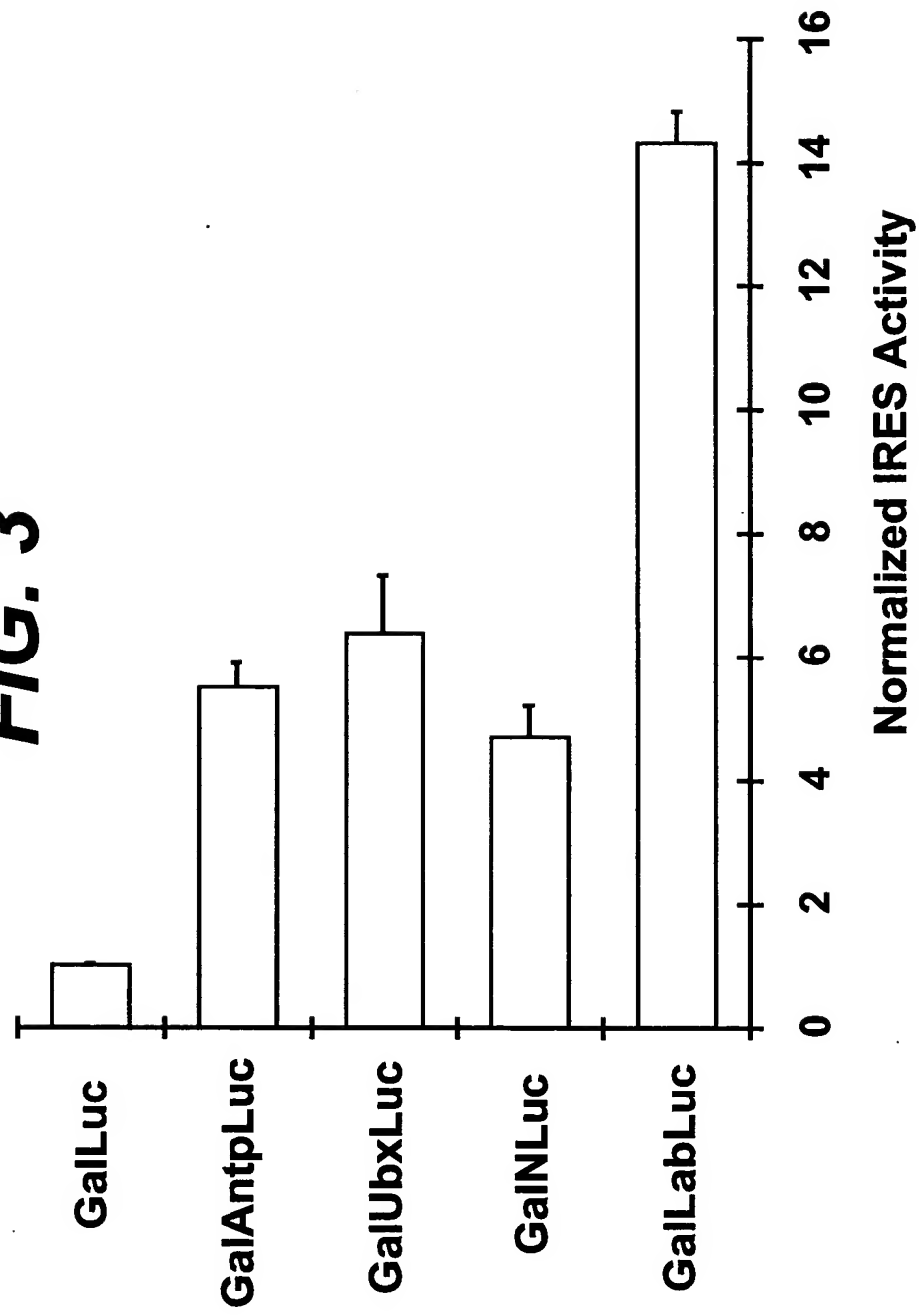




FIG. 2H

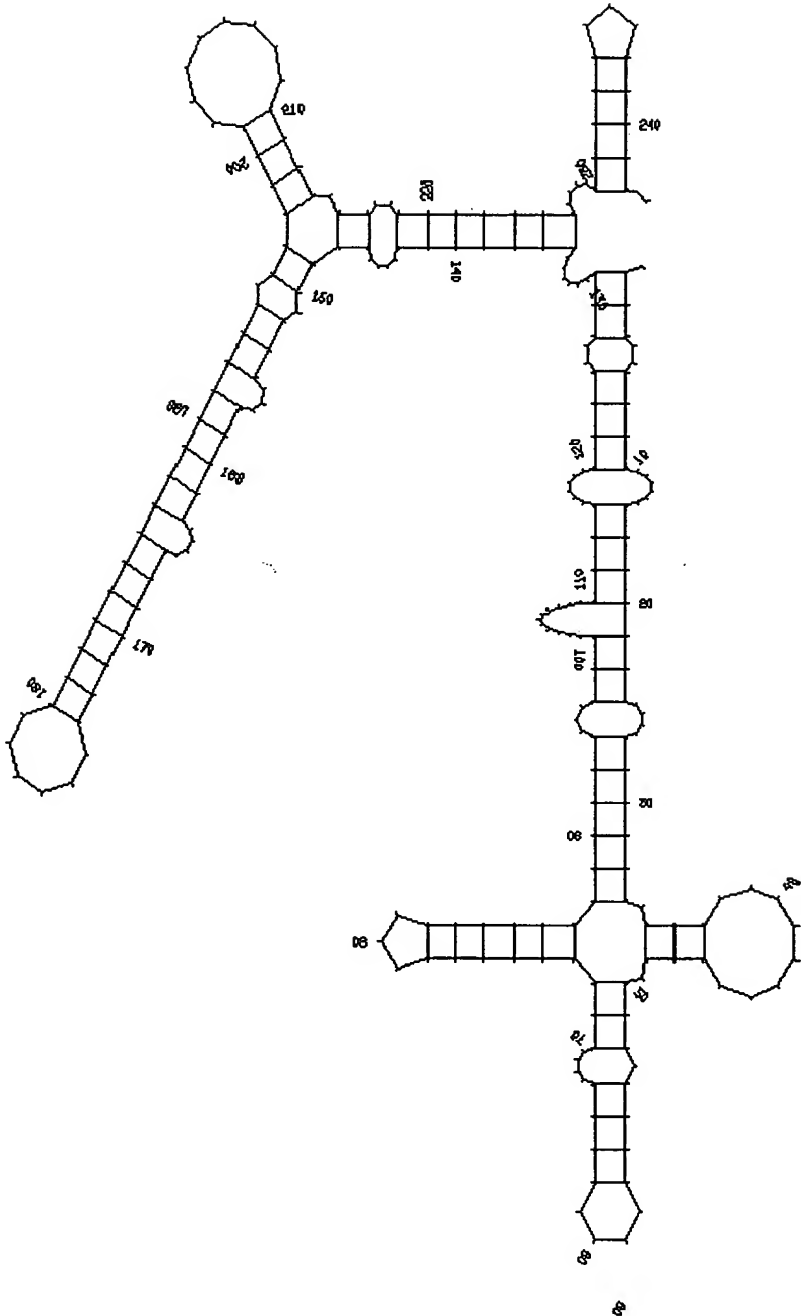


**FIG. 3**

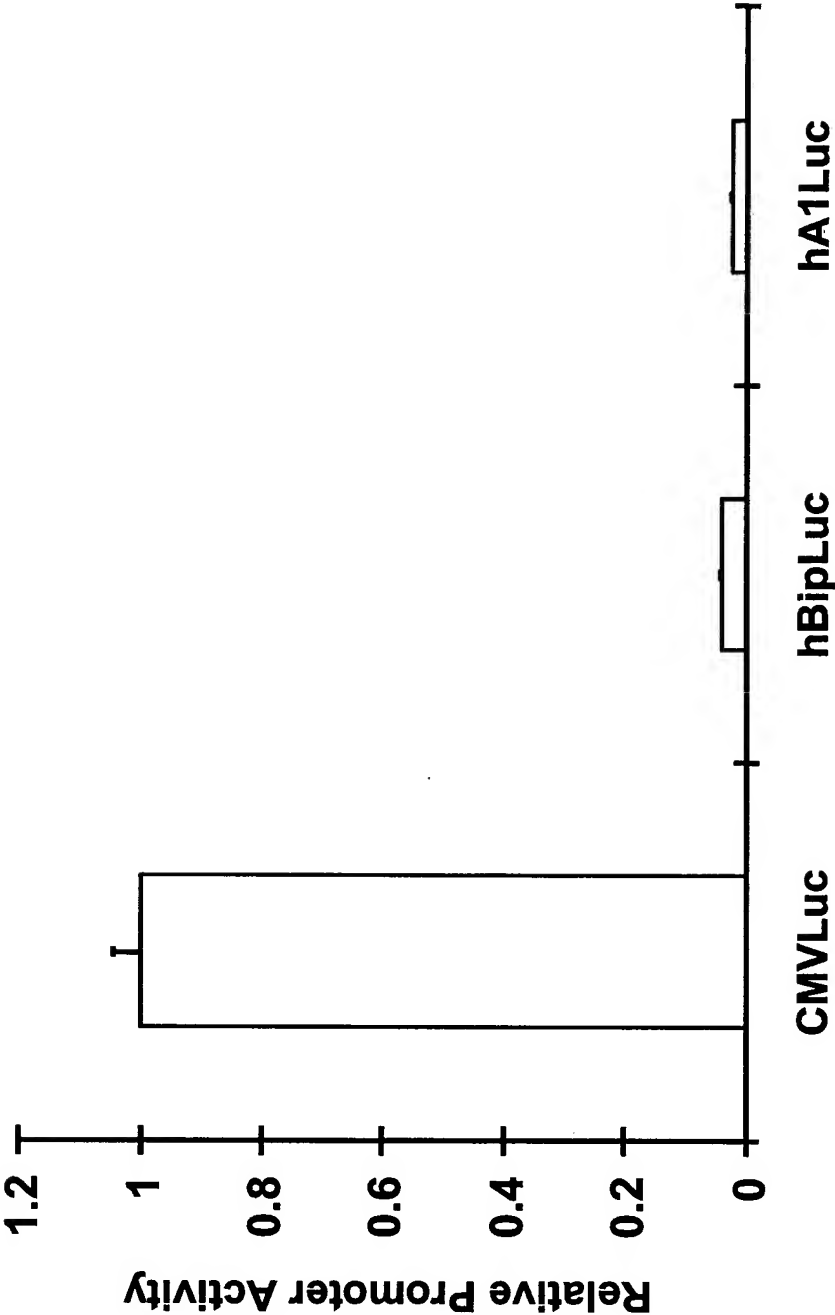
**FIG. 4A** Homeobox A1 5'UTR

Lab 5'UTR	A TCAGTCA CGACTTGGT-----AAGCGCGCAGG CAGCAGCTCGTC- GTCGT CAT- CG
A1 5'UTR	AGCGCCGGGATTTAAATGCCACTAAACGGTGATCCATCACTCGGGAAGCCGCAAACT
Consensus	A- Ca- t- a- GACTTg-----AAGCG-----A- CA- CAC- CG-- GtCG- CA- C- C-
Lab 5'UTR	CCAACGGGAGT CGTGTTTTCGGTTCGATACAGATAAA-- CCCACGTCTGATAGCCCTCG
A1 5'UTR	TTTGCAAGAGCTCA CCAATTGGCT- GACACCGTCA C GTGCCCTCTCTCA GCTCCTCC
Consensus	cc- aCGGAG- C- tg- tt- TCGGT- GATAC- G- ta- a- -- CCC- C- TC- A- - GcCCTC-
Lab 5'UTR	ACCGTCGCGTAAATAT- TCCTTAGAAGCAACA GCTAAAGAACTATT-----TCAAGAAGCTG
A1 5'UTR	GCCCTCCCGCCCCCTCTTGCGCACTGTACA TTCA TATCATTTTCTTCTC CGGCCCCA
Consensus	aCC- TC- CGt- -t- t- TCTTa- a- A- ca- ACA- cta- A- - ACT- TT-----TC- ag- - Ctg
Lab 5'UTR	TGTGGCAAGTGA- AGGGTAGTTAGTGA TACACCGGTTATA TCGCAGTGGCAGAAAGTGT
A1 5'UTR	TGGAGGAAGTGACAAAGTTGCCACAGTCA CCGCGGCT- TCGCAG- GACCAG-----GT
Consensus	TG- gg- AAGTGA- AggGT- G- ta- - G- tACaCCGG- t- -- TCG- AG- GgC- AG-----GT
Lab 5'UTR	GTTTCGGCTGGACAA
A1 5'UTR	CACTCAGT---GACAG
Consensus	-gtTC- G-----GACAA

**FIG. 4B** Secondary Structure



**FIG. 5A**



**FIG. 5B**

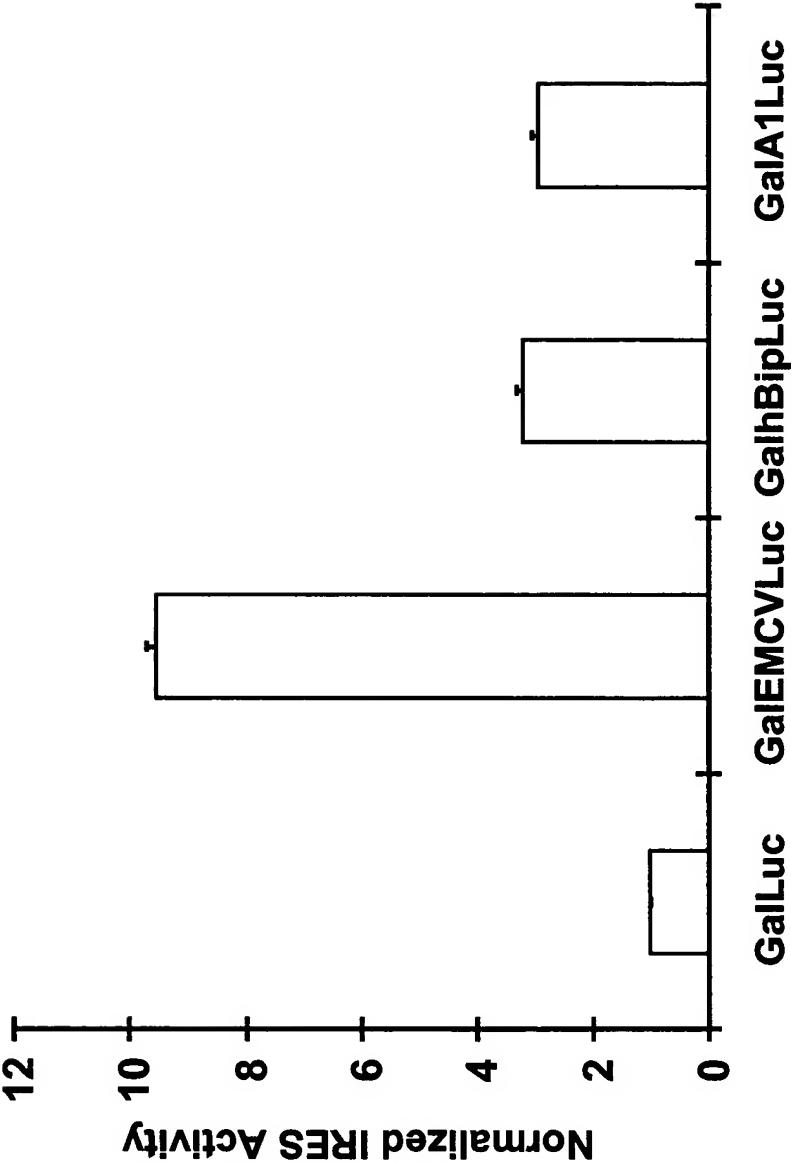
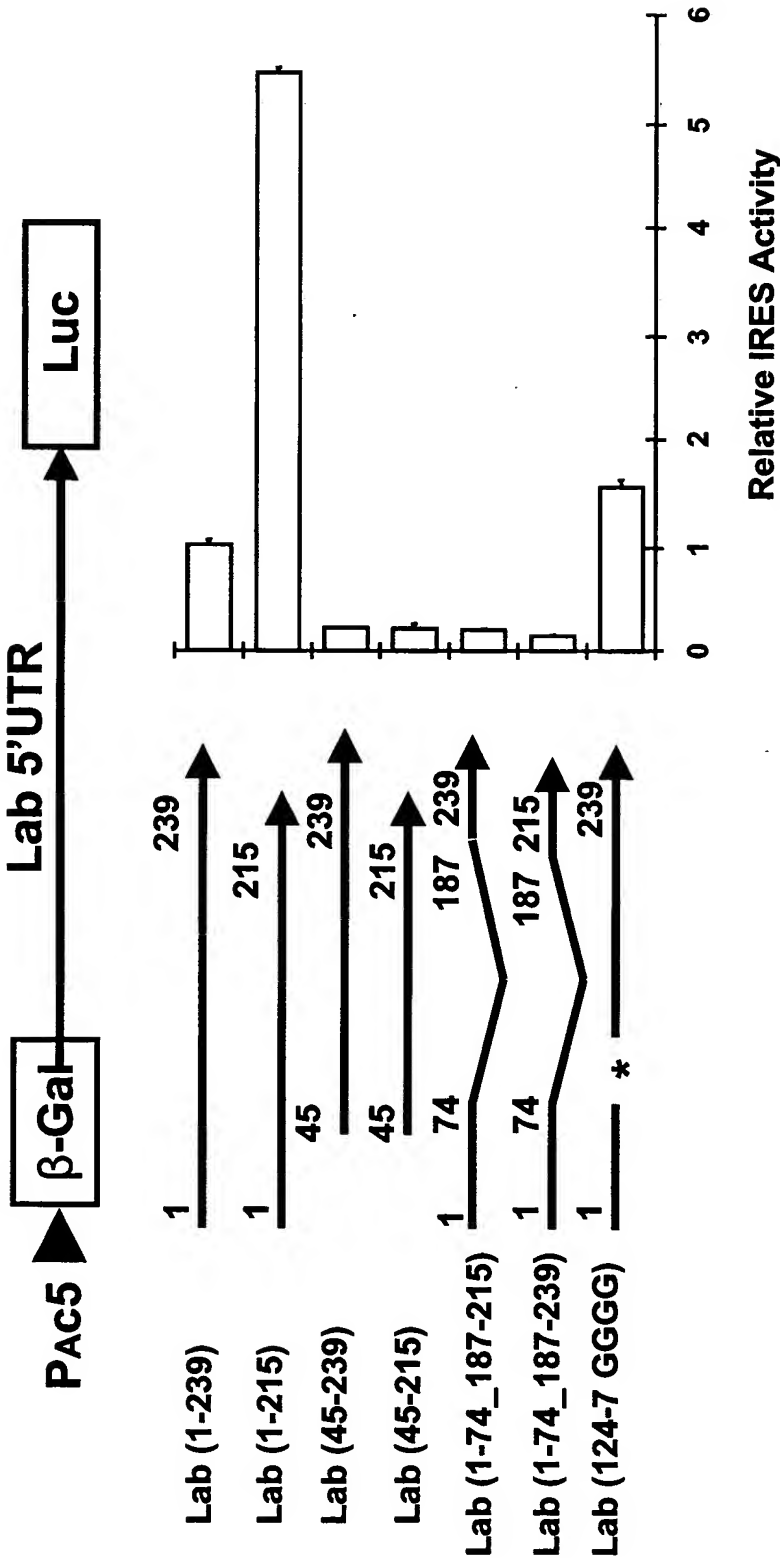
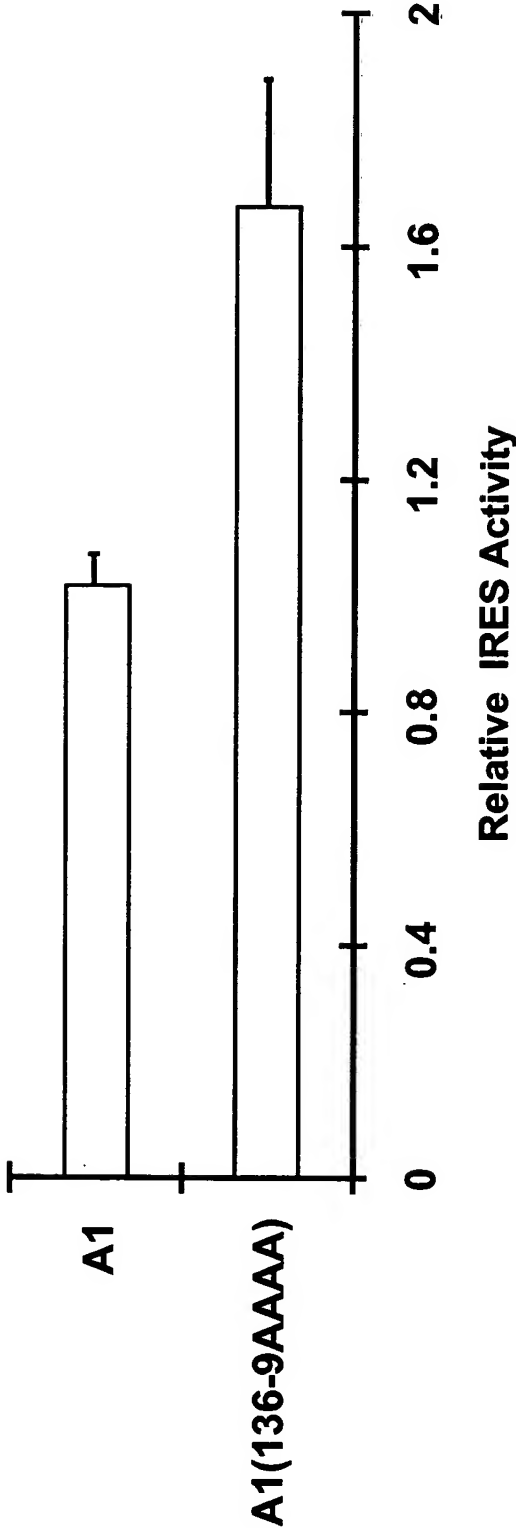


FIG. 6A



**FIG. 6B**





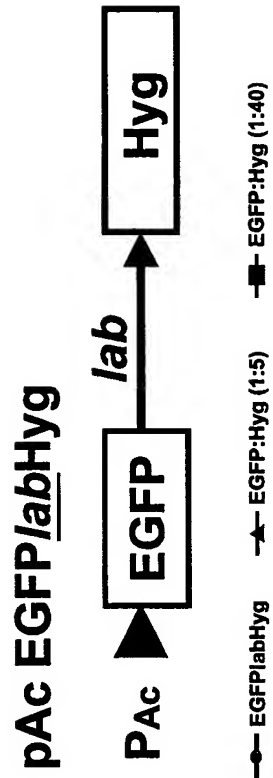
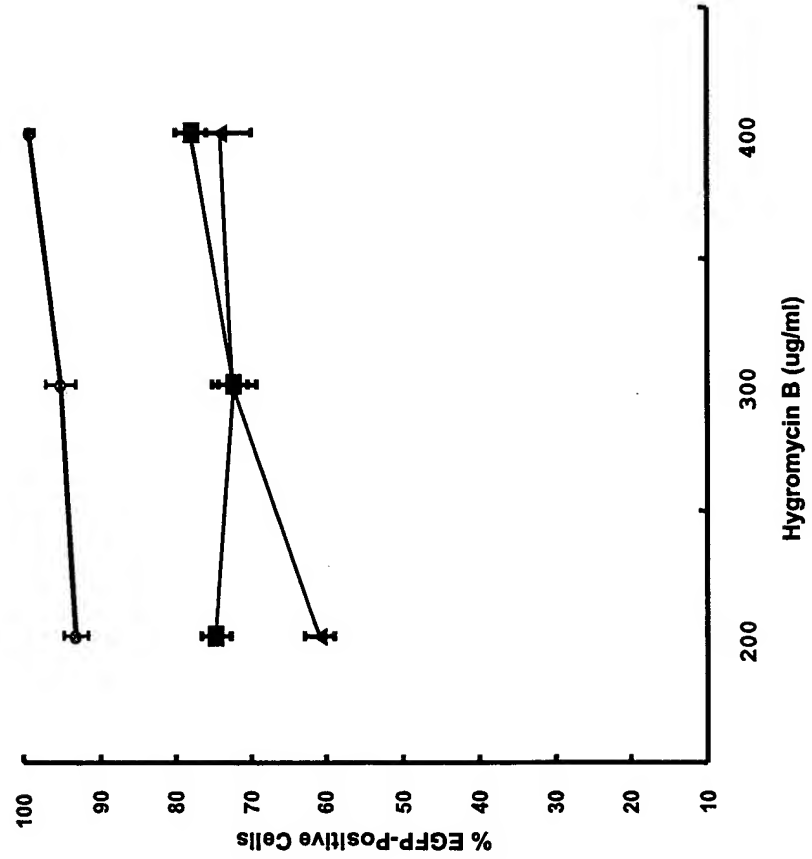
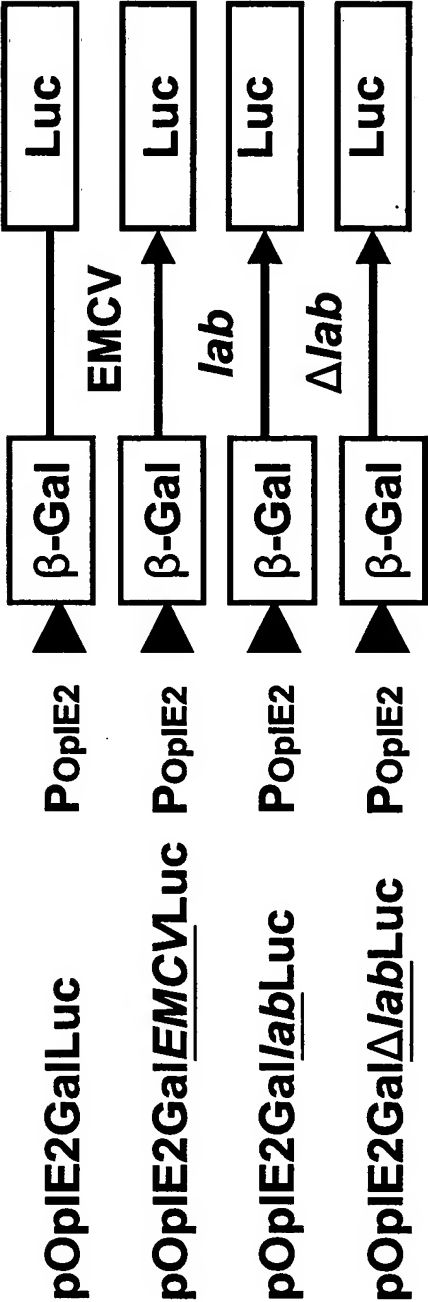
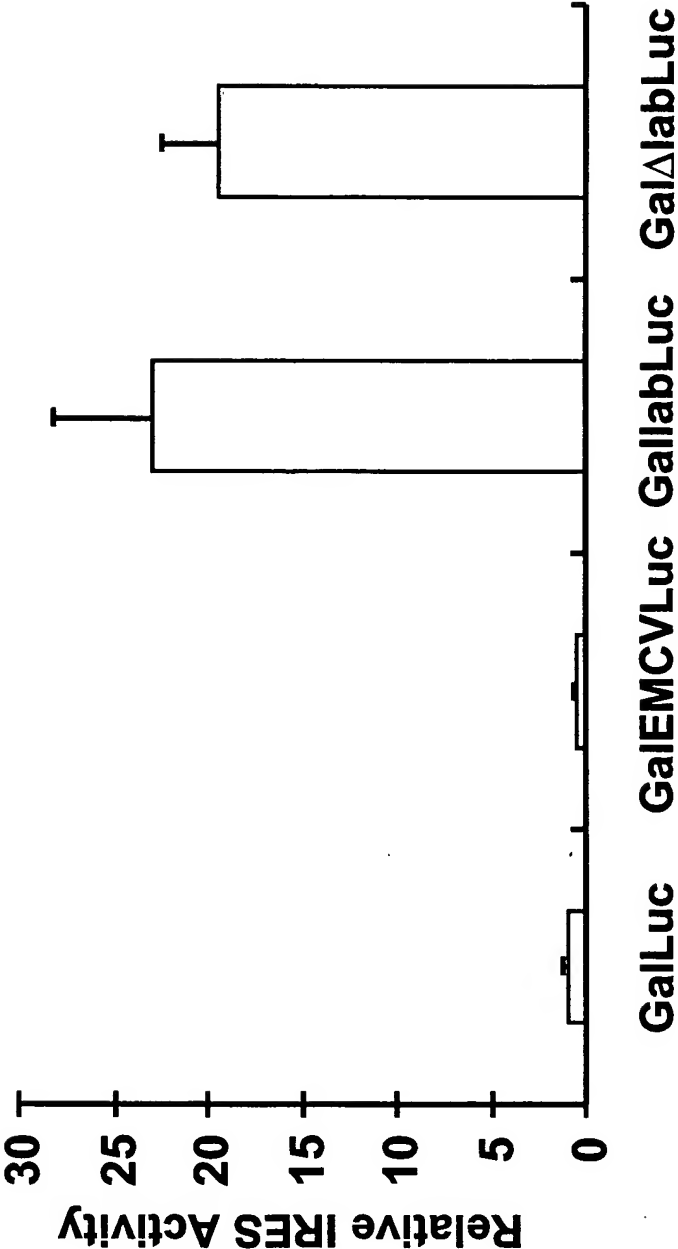
**FIG. 7**

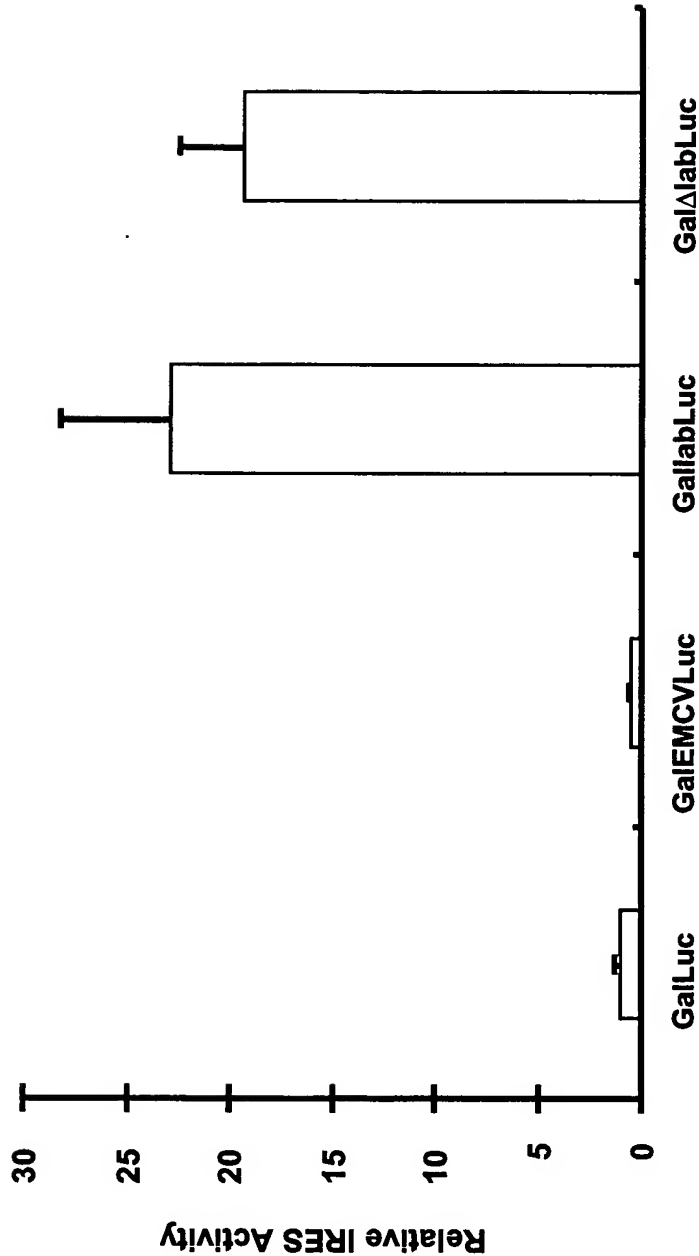
FIG. 8A

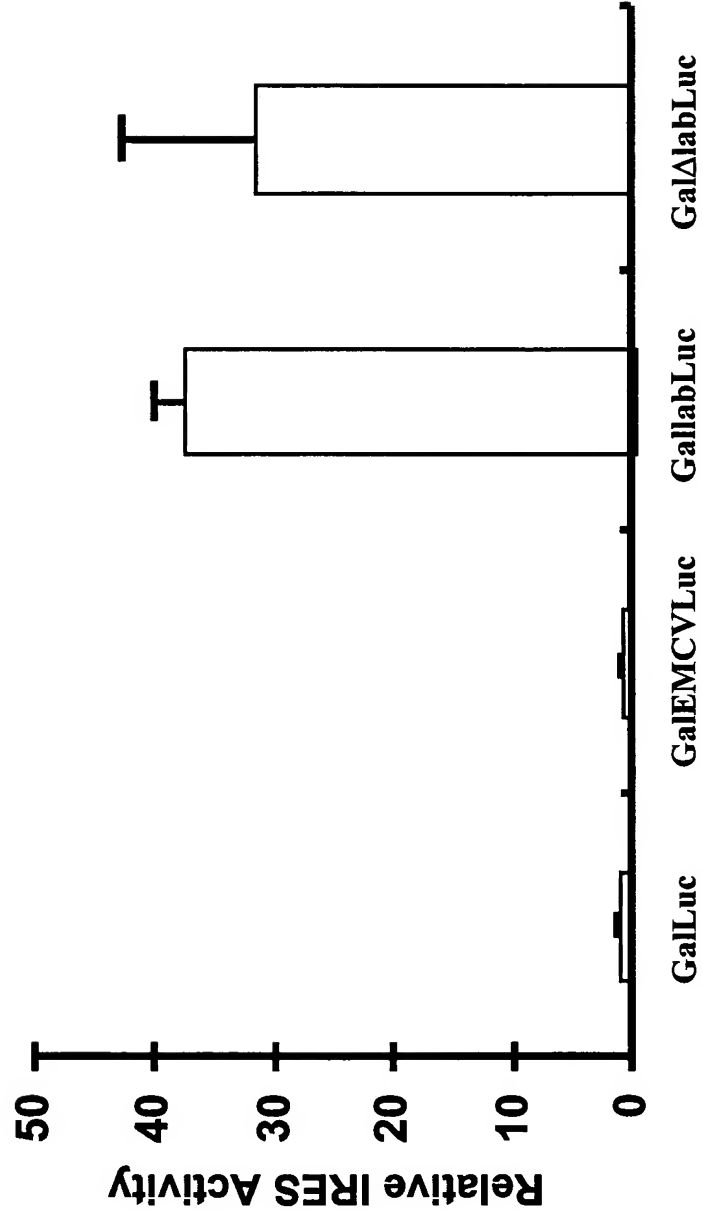


**FIG. 8B**

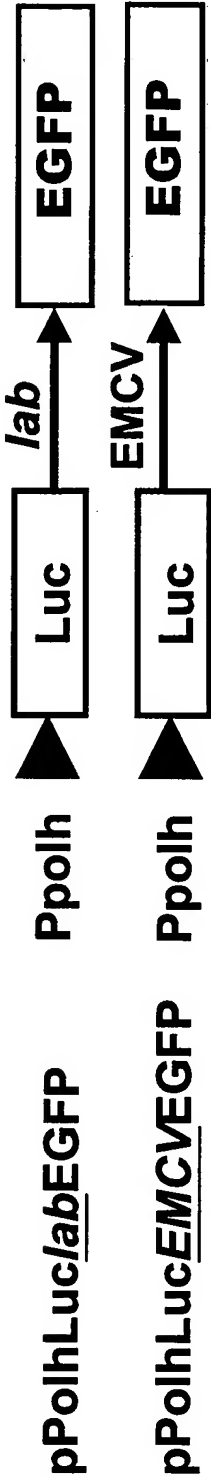


**FIG. 8C**

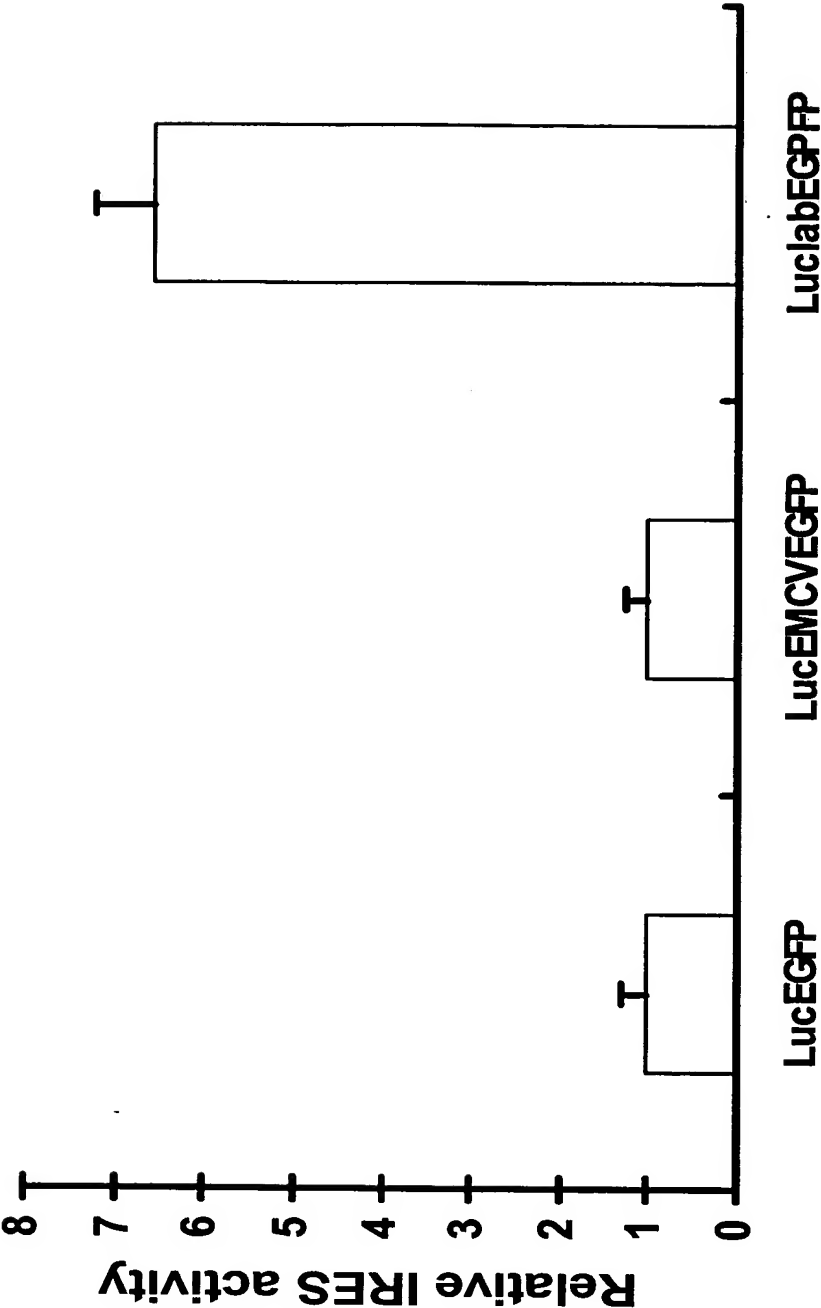


**FIG. 8D**

**FIG. 9A**



**FIG. 9B**



**FIG. 10**

